Tooling and Testing

Tooling

Cable Cutters 4
Cable Strippers / Slitters 5
Crimp Tools 8
UTP/FTP Cable Punchdown Tools 9
T28 and T36 Cable Tackers 9
Curing Oven 10
Polishing Plate 10
Polishing Pucks 10
Fibre Scribes 11
Kevlar Scissors 11

Testing

OWL ZOOM II Series – Optical Power Meter 12
Dual OWL Series – LED Light Source 13
Laser OWL Series – Single Mode Light Source 14
OWL ZOOM II Series – Power Meter and Light Source Kits 14
OWL WaveTester Series – Optical Loss Test Sets 15
OWL Precision Coupled Visual Fault locator 16
Fiber OWL 4 – Optical Power Meter 17
Fiber OWL Series – Power Meter & Light Source Kits 18
OWL BOLT Series – Optical Length Tester 19
Fluke DTX CableAnalyzer™ Series 20
Fluke DTX 10 Gig Solution 21
Fluke DTX Compact OTDR 22
Fluke DTX Fiber Modules 24
Fluke DSP-4000 Series Digital CableAnalyzers 25
Fluke DSP-LIA102S Permanent Link Adaptor Set 26
Fluke DSP-4000 Series Fibre Test Adaptors 27
Fluke CableIQ Qualification Tester and Kits 28
Fluke MicroScanner2 Copper Verification Tester 30
Fluke NetTool Series II 31
Fluke LinkRunner Pro Network Multimeter 32

continued overleaf

MAYFLEX

Total Solution Funding

Mayflex has formed a partnership with Genesis Capital Plc to provide additional and innovative ways in which to sell networking, security and infrastructure solutions.

GENESIS Capital Plc

Lease hire allows you to preserve the resource of cash flow within your business. Various funding options are available including deferred starts, stepped payments and seasonal profiles.

By offering tax based lease hire facilities (in addition to loans and hire purchase), Genesis Capital may be able to help your clients reduce the real or net cost of their purchase. Lease rentals are normally treated as 100% tax allowable operating costs making this route a really sensible way to buy products and services.

Using lease hire helps you close a higher volume of sales. It will improve your cash flow at the same time as reducing your exposure to bad debt and ultimately gives you more control over the sale.

Please call our Sales Office for further details

Tooling and Testing from Mayflex

Section H

EXCEL EXCELLENCE IN NETWORKING · O.W.L. · FLUKE networks · BI Communications

Tooling and Testing (continued)

Fluke IntelliTone™ Pro Testers and Probe 33
Fluke FiberInspector™ Mini 33
Fluke Fiber Verification Kits 34
Fluke CIQ-FTK Fiber & Copper Technician Kit 35
Fluke SimpliFiber 36
Fluke FiberViewer Microscopes 37
Fluke Fiber Optic Cleaning Kits 37
Fluke Visible Light Sources 38
Fluke OMNIScanner Consumables 38
Quintest Structured Cabling Tester 39
KD Optics Talk Sets 40
Optical Fyberscope 41
OVF-1 – 'Pen-size' Visual Fault Locator 41
MTS-6000 – Compact Optical Test Platform 42

Tooling

Cable Cutters

A range of cable cutting and preparation tools are available to suit a wide range of copper and fibre cables. These come competitively priced and of a high quality.

Side Cutters

Features

- Suitable for general purpose cutting and trimming
- Vinyl dipped handles

Description	Part Number
Side cutters	202-043

Cable Cutters

Features

- Range of sizes available for cables up to 13mm in diameter
- Flattening of the cable is prevented by the rounded jaws position
- Blue vinyl non-slip handle grips

Description	Part Number
Cutting dia <9mm	202-044
Cutting dia <11mm	202-045
Cutting dia <13mm	202-046

Data T Cutter

Features

- Cuts round multi-pair copper cables up to 0.5” diameter
- Bolt cutter for central strength steel members
- Cushioned handles
- Blade is kept closed by latch when not in use

Description	Part Number
Data T Cutter	202-047

Cable Cutters

100 Pair Cutter

Features

- Up to 100 pair telephone cable can be cut
- Moulded plastic handles
- Return spring built in
- Blade is kept closed by latch when not in use

Description	Part Number
100 Pair Cutter	202-048

Cable Strippers/Slitters

UTP/FTP Cable Strippers

The toggle stripper removes the outer sheath of cables with an outside diameter of upto 11mm by simply rotating the tool in 360° around the cable.

EXCELESSENTIALS

Features

- Lightweight, easy to use
- Supplied with set of blades
- Ensures nick free preparation of cables

Description	Part Number
Toggle Stripper - removes jacket of UTP/FTP	45-514

Patch Cable Jacket Stripper

Features

- Suitable for tight jacket cables – 2.4-3.2mm
- Blade returned to open position by spring action design

Description	Part Number
Jacket Stripper	202-049

Cable Strippers/Slitters

Heavy Duty Jacket Stripper with Swivel Blade

Features

- Suitable for cables of 8-25mm diameter
- Can be used for CST armour stripping
- Blade depth is adjustable to prevent damage to subunits by up to 4.5mm
- Consistency provided by a locking blade
- Circumferential and longitudinal cuts can be performed by a blade which rotates by 90 degrees
- Six rollers support the cable during cutting

Description	Part Number
Heavy duty stripping tool 8-25mm	202-061
Spare blade	202-062

Peg Style Jacket Stripper

Features

- Stripping tools available to suit 14.3mm diameter cables
- Blades for radial and longitudinal cuts
- Blade depth can be adjustable to suit thickness of jacket
- Three straight and one round blade supplied with each tool

Description	Part Number
up to 3.2mm cable diameter (grey handle)	202-063
3.2-5.5mm cable diameter (blue handle)	202-064
6.4-14.3mm cable diameter (blue handle)	202-065
4.8-8mm cable diameter (black handle)	202-066
Spare blades for 45-162, 45-163, 45-165	202-067
Spare blades for 45-164	202-068

Clauss Buffer/Jacket Stripper

Features

- Blade has two holes
- Tight jacket patch cable is stripped by 1mm hole
- Spring action handles can be locked when not in use
- 140µm hole strips 250µm primary buffer

Description	Part Number
Clauss Fibre stripper	202-089

Cable Strippers/Slitters

Primary Buffer Strippers

Features

- Industry standard tool for the removal of 250µm buffers
- Blade has precision laser drilled 127µm hole for all 125µm clad fibres
- Requires no adjustment, factory set
- Handles return jaws to open position when not in use

Description	Part Number
Stripping tool	202-090

Tri Hole Strippers

Features

- Incorporates the same buffer removal technology as the industry standard (O 103-S) tool
- Tri-hole tool removes 2-3mm tight jacket, 900µm secondary buffer and 250µm primary coatings
- Dual-hole versions for 2-3mm and 900µm removal, or 2-3mm and 250µm removal
- Requires no adjustment, factory set
- Jaws return to the open position when not in use

Description	Part Number
Tri-hole 2-3mm, 900µm, and 250µm stripper	202-078

Clauss No Nik Buffer Strippers

Features

- Industry standard tools for removing secondary and primary buffers from fibres
- Range of sizes with cutting diameter 102µm to 1.37mm
- Plastic heads support the fibre on both sides of the blades
- Strips fibre without cuts, scratches or niks

Description	Part Number
Gold 152µm	202-072
Red 203µm	202-073
Light Blue 254µm	202-074
White 305µm	202-075
Dark Green 356µm	202-076
Yellow 457µm	202-077

Crimp Tools

UTP/FTP Cable Crimp Tool

The AMP RJ45 Crimp Tool is compatible with the entire utp and FTP standard connector range.

EXCELESSENTIALS

Features

- High quality Amp manufactured product
- Ratchet action ensures reliable crimping

Description	Part Number
Amp RJ45 fixed die, modular plug, crimp tool	22-0010

Coaxial and UTP/FTP Cable Crimp Tools

The Ideal Crimpmaster is one of the most versatile crimptools available. A wide range of die sets mean it is suitable for coax as well as UTP and FTP cable.

EXCELESSENTIALS

Features

- High quality ratchet tool
- Easily interchangeable dies
- Maximum versatility in a single tool

Description	Part Number
Crimpmaster crimp tool frame	30-506
Crimpmaster die set, 8 position RJ45, Amp compatible	30-560
Crimpmaster die set, RG58, 59, 62, URM70	30-581

Fibre Connector Crimp Tool

Features

- Used for crimping connector strain relief crimp rings
- Correct pressure is applied as the cycle ratchet prevents the tool being opened until the dies have been completely closed
- Different connector styles are suited with a wide range of tools

Cavity Shapes	Cavity Size	Part Number
1 round, 2 hex	.105", .090", .190"	202-069
3 hexagonal	.151", .178", .213"	202-070
3 round	.138", .165", .195"	202-071

UTP/FTP Cable Punchdown Tools

Punchdown tools are used to terminate cable into IDC Blocks in Patch Panels or work outlets.

35-485

35-480

EXCELESSENTIALS

Features

- Choose from Krone or 110 IDC
- Either tool will terminate KATT IDC product

Description	Part Number
Punchdown tool, BT reference 2A	35-480
110 punchdown tool	35-485
Replacement blade set for 35-485	35-495

T28 and T36 Cable Tackers

The rapid T28 and T36 are High Quality Fast Action Cable Tackers designed specifically for voice and data cabling.

EXCELESSENTIALS

Features

- Suitable for Cables up to 4.5mm Diameter (T28)
- Suitable for Cables up to 6.0mm Diameter (T36)
- Choice of Galv or White Staples

Description	Part Number
T28 Cable Tacker unit	350-075
T28 11mm Galv Staples, Pack of 5000	350-077
T28 11mm White Staples, Pack of 5000	350-079
T36 Cable Staples Unit	350-080
T36 14mm Galv Staples, Pack of 5000	350-082
T36 14mm White Staples, Pack of 5000	350-084

Curing Oven

Features

- Industry standard oven for the curing of epoxy used in fibre optic connector terminations
- Temperatures can be varied between 65˚C and 125˚C
- Thermostat control
- Temperature monitoring provided by dial gauge thermometer
- Removable oven block can accept up to 24 SC, ST, SMA or FC connectors
- Oven blocks for ESCON, MTRJ, FDDI and LC
- 110Vac and 230Vac versions available

Description	Part Number
230Vac oven including connector block	202-081
Spare connector block for FDDI (x4), ST,SC,SMA,FC (x12)	202-082
Spare connector block - 24 port ST,SC,SMA,FC	202-083
Spare connector block for LC (x24)	202-084
Spare connector block for MTRJ (x15)	202-085

Polishing Plate

Features

- Hand polishing of fibre optic connectors can be performed on the smooth clean flat surface the glass plate provides

Description	Part Number
Glass polishing plate	202-086

Polishing Puck - Plastic

Features

- Economy polishing pucks
- The connector ferrule is held perpendicular to the polishing surface
- Manufactured from hard wearing engineering polymer
- Universal free floating pucks for 2.5mm ferrule connectors

Description	Part Number
Universal 2.5mm puck (ST,SC,FC)	200-878

Polishing Puck - Metal

Features

- Range of metal hard wearing polishing pucks
- The connector ferrule is held perpendicular to the polishing surface
- Universal free floating pucks for 2.5mm ferrule connectors
- Free floating pucks hold ferrule only and must be held in light contact with the polishing film
- Ferrule is normally held in contact with film by connector spring pressure, however the locking pucks require the connector body to be mated with the puck
- Locking pucks are specific to a type of connector

Description	Part Number
LC Metal Puck	202-087
Universal Puck - FC/SC/ST	202-088

Fibre Scribes

Features

- During connector termination it cleaves the sprig of fibre
- Gently pull the fibre after using the scribe to nick the fibre as close to the ferrule as possible
- Cleave will propagate across the fibre
- Diamond and Sapphire tips available
- Pen style designs

Description	Part Number
Diamond with 90˚ Wedge Tip	202-091
Sapphire	202-092

Kevlar Scissors

These general purpose scissors are suitable for trimming Kevlar or aramid yarns and for cutting light duty cables. The carbon steel blades are chrome plated and have a cutting length of 40mm.

Description	Part Number
Kevlar Scissors	202-093

Testing

OWL Test and Measurement

Optical Wavelength Technology (OWL) are a leading US based manufacturer of light sources, power meters, optical loss test sets and handheld certification kits for both multimode and singlemode fibre cabling. OWL certification tools simplify the process of certifying fibre systems to industry standards by performing all link budget calculations and indicating a pass or fail result based on the standard selected by the user from the instrument menu. Once stored, professional reports can be produced using the OWL reporting software which is provided with the equipment. Mayflex offers the following OWL equipment from stock.

For purchase, hire costs, or for a demonstration on the equipment shown below, please call our sales office.

ZOOM II Series – Optical Power Meter

ZOOM II (Zeroed Output Optical Meter) is an affordable entry level power meter solution for multi and singlemode installations. Reference values stored for each wavelength are used for optical loss readings. The unit's user friendly interface includes selector switches for power and wavelength selection and a push for setting references and toggling between optical power and optical loss. ZOOM meters do not offer a data storage facility, please refer to the WaveTester Series or Fiber OWL series on the following pages if this level of functionality is required.

Features

- Universal 2.5mm connector port
- Multimode and singlemode ready
- Cost effective
- Extended battery life – 15 hours on one 9v battery
- Easy to read LED display
- Single button setting for zero reference

Specification

Measurement Range
+3 to -52 dBm

Absolute Accuracy
+/– 0.24dB

Wavelength Range
750 to 1700nm

Calibrated Wavelengths
850nm, 1300/1310nm, 1550nm

Resolution / Precision
0.1dB / +/– 0.20dB

Description	Part Number
ZOOM Optical Power Meter	210-005

Dual OWL Series – LED Light Source

The Dual OWL is a cost effective handheld light source. The temperature compensated outputs are calibrated to couple –20dBm of optical power into multimode fibre. The units are available in single 850nm or 1300nm versions, or with both sources installed as standard. Ease of use is assured with a single switch controlling power and output wavelength selection. LED indicators highlight the selected source and verify that battery power is sufficient to maintain the calibrated output power.

Features

- Stable temperature compensated LED source
- Available at 850nm and/or 1300nm
- Selected source, low battery indicator LED's
- ST or SC connectivity
- Extended battery life – about 40 hours on one 9v battery
- Single switch operation

Specification

Output Power
-20dBm into multimode

Initial Accuracy
+/– .10dB @ 25°c

Calibrated Wavelength
850nm, 1300nm

Spectral Width
35nm @850nm,
170nm @1300nm

Description	Part Number
Dual OWL 850nm light source – ST connectivity	210-210
Dual OWL 1300nm light source – ST connectivity*	210-212
Dual OWL 850nm light source – SC connectivity*	210-214
Dual OWL 1300nm light source – SC connectivity*	210-216
Dual OWL 850/1300nm light source – ST connectivity	210-218
Dual OWL 850/1300nm light source – SC connectivity	210-220

** These items are available on a lead time of 1 week.*

Laser OWL Series – Single Mode Light Source

The Laser OWL is a cost effective, compact, handheld laser light source. The temperature compensated outputs are calibrated to couple -10dBm of optical power into a 9 micron single mode fibre. The light source is offered with a 1310nm and a 1550nm laser installed.

The source is simple to operate with a single switch controlling power and selecting the output wavelength. LED indicators highlight the selected source and verify that battery power is sufficient to maintain the calibrated output power.

Features

- Highly stabilized
- Rugged & Economical
- -10dBm Calibrated Output (Customizable)
- Compact Size
- Photodiode Compensated
- Extended Battery Life
- Low Battery Indicator
- NIST Traceable
- Available with FC, SC, or ST fibre connectors

Specification

Output Power
-10dBm into singlemode

Initial Accuracy
+/– .10dB @ 25°c

Calibrated Wavelength
1310nm, 1550nm

Centre Wavelength
1310nm +/- 30nm,
1550nm +/- 30nm

Spectral Width
2nm @ 1310nm,
2nm @ 1550nm

Description	Part Number
Laser OWL 1310/1550nm laser source – ST connectivity*	210-241
Laser OWL 1310/1550nm laser source – SC connectivity*	210-242
Laser OWL 1310/1550nm laser source – FC connectivity*	210-243

** These items are available on a lead time of 1 week.*

ZOOM II Series – Power Meter and Light Source Kits

ZOOM II kits combine the power meters and light source detailed on pages H12-13 and are ideal as entry level solutions for testing where data storage is not required.

Features and specifications of individual units are as described on pages H12-13.

Kit costs are lower than the separate purchase cost of the above units.

Description	Part Number
Zoom power meter + Dual OWL 850/1300nm light source – ST connectivity	210-224
Zoom power meter + Dual OWL 850/1300nm light source – SC connectivity	210-226
Zoom power meter + Dual OWL 850/1300nm light source + Laser OWL 1310/1550nm Laser Source – ST connectivity	210-244
Zoom power meter + Dual OWL 850/1300nm light source + Laser OWL 1310/1550nm Laser Source - SC connectivity	210-245

Tooling and Testing from Mayflex

WaveTester Series – Optical Loss Test Sets

WaveTester kits offer the fibre optic professional some of the best values in the industry. Whether performing standards-compliant testing, or just simple optical loss tests, there is a WaveTester kit configuration to meet nearly every need.

WaveTester kits include a WaveTester optical power meter, your choice of light source combinations, a hard-shell carrying case, protective rubber boots, lanyard straps, and OWL Reporter software and operations guide on CD.

WaveTester stores up to 100 link test results to be downloaded to the PC via the OWL reporting software. Once downloaded simply run the Link Budget Wizard to produce full standards certification reports.

WaveTester Auto-Test fibre optic test kits offer conveniences not found in many test kits in its class, including automatic wavelength switching and automatic data point storage, both of which save valuable testing time. Single-port dual-wavelength sources eliminate the need for separate reference cables, and also allow some versions to have an optional VFL installed. Need all four wavelengths? The quad-wavelength test kit gives you 850, 1300, 1310, and 1550nm all in one source.

Description	Part Number
WaveTester Multimode Kit with ST Connectivity	210-246
WaveTester Multimode Kit with SC Connectivity	210-247
WaveTester Multimode Kit with ST Connectivity and Inbuilt VFL	210-248
WaveTester Multimode Kit with SC Connectivity and Inbuilt VFL	210-249
WaveTester Singlemode Kit with ST Connectivity	210-250
WaveTester Singlemode Kit with SC Connectivity	210-251
WaveTester Singlemode Kit with ST Connectivity and Inbuilt VFL	210-252
WaveTester Singlemode Kit with SC Connectivity and Inbuilt VFL	210-253
WaveTester Quad Wavelength Kit with ST Connectivity	210-254
WaveTester Quad Wavelength Kit with SC Connectivity	210-255

Precision Coupled Visual Fault locator

The PCVFL (Precision Coupled Visual Fault Locator) is a light-weight, hand-held tool used to quickly troubleshoot faults in the continuity of both single mode and multi-mode fibres, especially at fibre launch points or in OTDR dead zones. The 635nm high intensity visible red laser beam is precision-coupled into an optical fibre; breaks and micro-bends in the fibre deflect the red light into the fibre jacket, producing a clearly visible red glow at the point of the fault.

Common faults detected include breaks in patchcords and defective splices. PCVFL can also be used to visually identify correct distribution of fibres in patch panels.

Features

- High-intensity visible laser allows for visible fault location of breaks and microbends in both singlemode and multimode fibres
- Both Continuous Wave mode and Pulsed mode allow for easy fiber identification
- Standard ST connector
- Simple single-switch operation
- CW Mode - 15 hours use on one 9v battery
- Pulsed Mode - 120 hours use on one 9v battery
- Low-battery indicator
- Hand-held
- Lightweight

Specification

Visual Range
up to 5 km (3.1 miles)

Optical Output
-2 dBm (minimum) red laser

Optical Transmission
Continuous wave or pulsed at 6 Hz w/12.5% duty cycle

Dimensions
4.94 x 2.75 x 1.28 in

Weight
6 ounces

Description	Part Number
Visual Fault Locator	210-208

Fiber OWL 4 - Optical Power Meter

The Fiber OWL 4 is a high accuracy, high resolution advanced optical power meter with automatic wavelength detection and switching. This unique feature removes the need for user intervention when testing at multiple wavelengths when using the WaveSource, auto switching sources. Its 75dB dynamic range makes the unit ideal for both multi and single mode testing. This unit's design features a large backlit graphic LCD display and 18 key keypad for easy data entry.

The universal adaptor accepts ST, SC and LC connectors.

Fiber OWL 4 includes a built in loss wizard providing an easy method of calculating the allowable loss of each fibre run. The meter can store a variety of data per installed fibre for up to eight sites, including information such as site name, fibre and connector type, in addition up to 1000 measured data points can be stored. This stored information can then be selectively viewed, edited, printed or deleted. Printing can be performed directly from the unit's serial port, imported to a spreadsheet or downloaded using the included OWL Reporter software to product formatted certification reports.

Fiber OWL 4 is available with optional inbuilt optical length tester.

Features

- Universal 2.5mm connector port – ST, SC, LC compatible
- Large backlit graphical LCD display
- Extended battery life – over 200 hours on one 9v battery
- Automatic Wavelength Detection and switching
- Data storage of up to 1000 links
- OWL Reporter software for printing formatted certification reports
- RS-232 interface for report printing or data downloading
- Optional Inbuilt fibre length tester

Supported Cabling Standards

- EIA/TIA 568
- ISO/IEC11801
- 100Base-FX
- 10Base-FB/FL
- FDDI
- Token Ring
- ATM-155/622
- Fibre Channel

Specification

Measurement Range	+5 to -70 dBm (FO-4FX)
Absolute Accuracy	Absolute accuracy +/- 0.15dB
NIST traceable calibrated wavelengths	850nm, 1300, 1310nm, 1550nm
Additional factory calibrated wavelengths	980nm, 1490nm, 1625nm
Resolution	0.01dB
Precision	+/- 0.10dB

Description	Part Number
Fiber OWL Optical Power Meter	210-256
Fiber OWL Optical Power Meter with inbuilt fibre length meter	210-257

Fiber OWL Series – Power Meter and Light Source Kits

Fiber OWL kits offer three basic kit options:

Manual Test Kits

Fiber OWL 4 power meters with manual Dual OWL and Laser OWL light sources and are ideal budget solution for testing where data storage and link certification is required.

AutoTest Kits

Fiber OWL4 power meters with waveSource automatic wavelength switching sources are perfect for testing large numbers of fibres quickly and storing results for LAN certification.

AutoTest Kits With Length

Fiber OWL 4B power meters with Wavesource are perfect when installed fibre length is unknown as this parameter is required to calculate link budget for LAN fibre certification

Features and specifications of individual units are as before. Kit costs are lower than the separate purchase cost of the above units.

Description	Part Number
Fiber OWL4 Manual Multimode Test Kit with ST Connectivity	210-258
Fiber OWL4 Manual Multimode Test Kit with SC Connectivity	210-259
Fiber OWL4 Manual Quad Wavelength Test Kit with SC Connectivity	210-260
Fiber OWL4 Auto Multimode Test Kit with ST Connectivity	210-261
Fiber OWL4 Auto Multimode Test Kit with SC Connectivity	210-262
Fiber OWL4 Auto Quad Wavelength Test Kit with ST Connectivity	210-263
Fiber OWL4 Auto Quad Wavelength Test Kit with SC Connectivity	210-264
Fiber OWL4 Auto Multimode Test Kit with Length - ST Connectivity	210-265
Fiber OWL4 Auto Multimode Test Kit with Length - SC Connectivity	210-266
Fiber OWL4 Auto Quad Wavelength Test Kit with Length - ST Connectivity	210-267
Fiber OWL4 Auto Quad Wavelength Test Kit with Length - SC Connectivity	210-268

Single Mode ONLY Kits available on request.

BOLT Series – Optical Length Tester

BOLT stands for Beaming Optical Length Tester and offers a unique, low cost unit for users that need to measure the length of optical fibres.

Measurement with accuracy of +/– 2.5 metres is achieved by looping two fibres at one of the links with a patch cord. The unit emits a light signal down the cable and the time this takes to complete the round trip through both fibres, is converted to length in kilometres, then divided by two to show the installed length.

Features

- Accurately measures length of single and multimode fibres
- Extended battery life – up to 15 hours on one 9v battery
- Easy to read LED display
- Low battery indicator

Specification

Measurement Range	Up to 25 kilometres
Accuracy	+/– 2.5 metres
Resolution	Up to 1 metre

Description	Part Number
BOLT Optical Length Tester	210-240

DTX CableAnalyzer™ Series

Fluke Networks' DTX CableAnalyzer™ Series combines powerful speed and unprecedented accuracy no other certification tester can match. This revolutionary platform significantly reduces total time to certify to save you time you can see on your bottom line – as much as 33% of certification costs per year. Certify a Cat 6 link three times faster than other testers with 9-second Cat 6 Autotest and Level IV Accuracy. DTX also gives you 900 MHz of testing bandwidth, optional on-board fibre modules, easy-to-understand diagnostics, 12-hour battery life, a bright colour display, and nearly instant setup and reporting. DTX - It's all about time!

Features

- Exceeds spec requirements for Cat 5e/6/7 with superior Level IV accuracy
- Three times faster than existing testers with 9-second Cat 6 Autotest
- Advanced time-saving diagnostics pinpoints fault and suggests corrective actions
- 900 MHz future-proofs your investment for future applications such as 10 Gigabit Ethernet, Class F and CATV
- Resident fibre modules lets you switch between copper and fibre with the push of a button
- Fast, reliable, and rugged with extended 12-hour battery life and colour display all enhance user productivity
- All models can be upgraded to the high-end performance model
- DTX significantly reduces total certification costs by as much as 33% a year
- Optional DTX-10GKIT adds standards-compliant 10 Gigabit Ethernet Alien Crosstalk test capability
- Optional DTX-PCU-6S Patch Cord Test Adapter set allows full certification of Cat 6 patch cords
- Optional DTX-NSM Network Service Module adds live network test and report capability
- Optional Gold support for DTX mainframe and standard accessories

RANGE EXTENDED

Description	Part Number
DTX-1800 CableAnalyzer	DTX-1800
DTX-1200 CableAnalyzer	DTX-1200
DTX-1800 with Multimode Fibre Modules	DTX-1800-M
DTX-1800 with Multimode and Singlemode Fibre Modules	DTX-1800-MS
DTX-1200 with Multimode Fibre Modules	DTX-1200-M
DTX-1200 with Multimode and Singlemode Fibre Modules	DTX-1200-MS
Patch Cord Test Set	DTX-PCU-6S
DTX Network Service Module	DTX-NSM
Gold Support for DTX mainframe and standard accessories	GLD-DTX
Replacement Permanent Link Adaptor Set for DTX CableAnalyzer	DTX-PLA002S

Note: *GLD-DTX only covers main test unit. Additional Gold Support for multimode and singlemode fibre modules is available under separate cover.*

Tooling and Testing from Mayflex

DTX 10 Gig Solution

The DTX 10 Gig over Copper Test Solution enables testing and certification of twisted pair cabling for 10 Gigabit Ethernet deployments - whether it is an existing Cat 6 or newly installed Augmented Cat 6 cabling system.

NEW

Features

- Simplifies complex Alien Crosstalk link-to-link certification by using the same user-friendly and intuitive DTX interface
- The only solution to identify problematic cable(s) within the same bundle due to link-to-link crosstalk
- The only solution that is fully compliant with industry standards
- DTX 10 Gig Copper Kit together with DTX-1800 delivers on the promise of a future-proof investment - measuring performance for 10 Gig and Alien Crosstalk (ANEXT and AFEXT) in full compliance with the industry standards to 500 MHz

DTX 10 Gig Kit

Alien Crosstalk Analyzer Kit for DTX-1800 includes: two DTX-AXTLK1 Communication Modules, Windows based DTX AxTalk Analyzer™ Software, two Cat 6A/Class EA Permanent Link Adapters (DTX-PLA002S), two Channel Adapters optimized for Alien Crosstalk measurements to 500 MHz (DTX-CHA001AS), two Link Terminators (DTX-AXTERM) and two RJ45-to-RJ45 Couplers. All items in this kit are packaged in a separate carrying case.

Description	Part Number
DTX 10 Gig Kit	DTX-10GKIT

DTX Compact OTDR

Fluke Networks' new Compact OTDR module is the latest enhancement to the DTX CableAnalyzer -a revolutionary test platform. In addition to performing copper certification and diagnostics, your team can become fiber test experts when you decide to grow your business and turn your cable tester into an OTDR. This full featured, compact OTDR module snaps onto a DTX CableAnalyzer and provides unmatched ease of use for premises fiber testing. Choose a kit that includes a DTX mainframe and smart remote, options for copper certification, optical loss/length capability, or order a module and software that can be installed on your own DTX CableAnalyzer.

NEW

Features

- Turn your cable tester into an OTDR. DTX Cable Analyzer - one revolutionary test platform for both copper and fiber testing
- Test and troubleshoot fiber like an expert with easy to use DTX Compact OTDR
- Shoot OTDR traces on singlemode and multimode links at 850nm, 1300nm, 1310nm, 1550nm.
- Perform Basic loss/length certification & Extended (OTDR trace) certification with one powerful cable tester
- Diagnose hard to find fiber failures with DTX Compact OTDR and resolve simple cable faults, polarity problems with built-in VFL
- Produce professional certification test reports with LinkWare Results Management Software.

Kit Descriptions

Complete DTX 1800 Copper/Fiber Certification Kit (DTX-1800-MSO)
Choose this option if you install and maintain premise networks with both copper and fiber. Includes a mainframe and smart remote along with the complete package of testing and troubleshooting options.

DTX COMPACT OTDR Starter Kit (DTX-OTDR-QUAD)
Choose this option if you are looking for an OTDR for fiber troubleshooting and extended certification. Copper and Tier 1 fiber certification can be added later with addition of a smart remote and other options and accessories.

DTX Compact OTDR *continued*

DTX COMPACT OTDR kit (DTX-OTDR-KIT)
Choose this option if you own a DTX CableAnalyzer with Loss/Length fiber capability and want to add an OTDR option and accessories.

DTX Fiber Certification Kit (DTX-OTDR/LL-KIT)
Choose this option if you own a DTX CableAnalyzer without fiber capability. This kit will give you complete fiber certification and troubleshooting capability.

DTX COMPACT OTDR Module (DTX-OTDR-QMOD)
Choose this option if you already own a DTX mainframe and want to add OTDR capability and want to purchase launch fibers separately.

NEW

Description	Part Number
Complete DTX 1800 Copper/Fiber Certification Kit	DTX-1800-MSO
DTX COMPACT OTDR Starter Kit	DTX-OTDR-QUAD
DTX COMPACT OTDR kit	DTX-OTDR-KIT
DTX Fiber Certification Kit	DTX-OTDR/LL-KIT
DTX COMPACT OTDR Module	DTX-OTDR-QMOD

Lease Financing Service NOW available.
Call our Sales Office for further details

DTX Fiber Modules

Add record-fast fibre certification to your DTX CableAnalyzer – five times faster than existing testers. DTX delivers the greatest time and cost-savings. Certify fibre attenuation, length, and polarity quickly and simply. Autotest automatically loss tests two fibres, each at two wavelengths, with length measurement and pass/fail analysis – all in 12 seconds. New Series 2 Fibre modules incorporate interchangeable input connectors, so users can match the connector on the installation with the connector on the tester, improving accuracy and repeatability. Standard shipment is SC connectors. Adapters are available for most commonly used connector types. All DTX Fibre Module sets ship with new SC-SC Duplex Test Reference Cords, designed to improve test accuracy and repeatability. These are also available to different connector types. Please call for availability of your connector type. Find faults quickly with built-in VFL. Save, upload and report results using LinkWare PC software. Certify multiple fibre types with multimode and singlemode modules. SFF connector support, TALK, FINDFIBER, MONITOR add testing power. DTX tests more fibre in less time, saving over 100 hours per year.

Features

- Add record-fast fibre certification to the DTX CableAnalyzer
- Five times faster than existing testers with 12-second Autotest
- Resident fibre module is on-board when you need it
- Locate fibres, verify continuity and polarity, and find near-end breaks with built-in VFL
- Speed testing with TALK, FINDFIBER, MONITOR, bi-directional and single fibre test features
- Deliver Tier 1 per EIA/TIA TSB140 certification

Description	Part Number
Set of two DTX Multimode Fibre Modules, each incorporating:850nm and 1300nm LED sources combined into a single output port, 850/1300/1310/1550nm power meter, integrated VFL	DTX-MFM2
Set of two DTX Singlemode Fibre Modules, each incorporating: 1310nm and 1550nm laser sources combined into a single output port, 850/1300/1310/1550nm power meter, integrated VFL	DTX-SFM2
Set of two DTX Gigabit Multimode Fiber Modules, each incorporating: 850nm VCSEC source and 1310nm laser source combined into a single output port with Integrated VFL	DTX-GFM2
DTX Fibre Module Gold Support, Gold SuperVision ensures peace of mind with free annual calibration	GLD-DTX-FIBERMOD

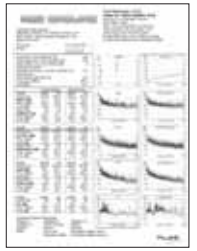
Tooling and Testing from Mayflex

DSP-4000 Series Digital CableAnalyzers

The DSP-4000/PL Digital CableAnalyzer™, is designed for cable installers and network owners who need to certify high-speed, copper and fibre cabling to today's industry standards. The DSP digital test technology delivers functionality and accuracy beyond that of analog testers.

Fluke Networks' DSP-4000 CableAnalyzer provide full certification of Cat5E and Cat6 copper also Single and Multimode fibre installations in accordance with existing international standards.

The DSP-4000 provides onboard memory for 500 Cat5E or Cat6 autotests (without graphical data).



Features

- Exceeds all specification requirements for Cat 5e and Cat 6
- Tests high-performance cable to 350MHz
- Performs a Cat 5e or Cat 6 Two-way Autotest in about 30 seconds
- Automatically diagnose cabling faults and displays results graphically and in text
- Monitors network traffic on Base-T and 100Base-TX Ethernet systems
- Shows detailed plots of NEXT, ELFEXT, Attenuation, ACR and Return Loss – up to 350MHz
- Provides Built-in Talk Mode for two way voice communication between the main and remote units
- All DSP series testers ship with Channel Adaptors as standard
- Optional 16MB and 32MB memory cards are available as accessories
- Level III accuracy
- Uses Linkware software to produce standard test reports

Description	Part Number
Cable Analyzer with Smart Remote	DSP-4000/PL
Gold Support for all DSP Series CableAnalyzers	GLD-DSP
Patch Cord Test Adaptor	DSP-PCI-6S
External Battery Charger	BC-7217

DSP-LIA102S Permanent Link Adaptor Set

Fluke Networks' Permanent Link Test Interface Adaptor delivers accurate test results and standards compliance for field testing of twisted pair cabling installations.

The DSP-LIA102S incorporates a new improved cable design which offers much improved service life with increased flexibility and length. Together with the PM06 Personality Module, the DSP-LIA102S provides the best connectivity solution for the DSP-4000 Series.

NOTE: Replace DSP-LIA101S with DSP-LIA102S as a set. Do not mix LIA101 with LIA102.

Features

- Superior Accuracy resulting in more first time passes
- TIA and ISO Standards compliant
- Increased time savings
- Improved ruggedness
- Automated field calibration to maximise performance
- Proprietary cable design effectively eliminates effects of cable ageing
- Different personality modules are available to test different connector types

Description	Part Number
Permanent Link Adaptor Set (Comes with PM06 as standard)	DSP-LIA102S
Permanent Link Adaptor Calibration Module	DSP-PLCAL
Permanent Link Personality Module	DSP-PM06

Other Permanent Link Personality Modules available on request.

Tooling and Testing from Mayflex

DSP-4000 Series Fibre Test Adaptors

Optional Fibre Test Adaptors extend the test capability of the DSP-4000 Cable Analyzers to provide full performance certification of multimode, singlemode and Gigabit fibre installations. All DSP-4000 Fibre Test Adaptors measure fibre power loss and length of two fibres simultaneously. Power Loss Allowance is calculated in accordance with a user-selected fibre standard. To cover all fibre certification requirements, there are 3 different Fibre Test Adaptors: the DSP-FTA420S for multimode installations, the DSP-FTA430S for more demanding singlemode links, and the DSP-FTA440S for the compliance testing of multimode Gigbit installations. Gigabit is unusual in using both VCSEL and FP laser technology for data transmission: to fully test for Gigabit compliance, the FTA440S incorporates both a VCSEL and FP laser.

Features

- Test 2 fibres at a time
- Simultaneously measures loss at both wavelengths at both ends
- Measures length and calculates Power loss Allowance
- Completely tests 2 fibre links in 12 seconds
- DSP-4000 saves power loss, limit and headroom and length test results for report generation
- Choice of over 20 different fibre standards
- DSP Talk Mode operates all Fibre Test Adaptors
- Gold support available
- Support for all major multimode Small Form Factor connectors (optional adaptor kit)
- 850nm and 1300nm LED sources at both ends (Multimode FTA420S)
- Optimised for 62.5/125 or 50/125 fibre sizes (Multimode FTA420S)
- 1310nm and 1500nm FP lasers at both ends (Singlemode FTA430S)
- Optimised for 9 micron fibre size (Singlemode FTA430S)
- 850nm VCSEL and 1300nm FP Laser at both ends (Gigabit FTA440S)
- Optimised for 50/125 fibre size (Gigabit FTA440S)

Description	Part Number
Cable Analyzer Fibre Test Adaptor – Multimode	DSP-FTA420S
Cable Analyzer Fibre Test Adaptor – Singlemode	DSP-FTA430S
Cable Analyzer Fibre Test Adaptor – Gigabit	DSP-FTA440S
Gold Support for DSP Fibre Test Adaptors	GLD-DSP-FTA

CableIQ Qualification Tester

NEW

CableIQ is the first qualification tool designed for network technicians who need to troubleshoot connectivity problems and qualify cabling bandwidth. It gives network techs the vision to see whether an existing cabling link is qualified to support 10/100, VoIP or Gigabit Ethernet, quickly isolate cabling from network problems and discover what is at the far end of any cable. It detects speed and duplex settings of attached switches and PCs. Intelligent wiremap graphically shows distance to faults (e.g., pin 1 break at 15m). Lightweight, rugged, reliable unit tests all copper cabling. Its ease and power can help you close trouble tickets faster and ensure smooth upgrades to higher network speeds.

Features

- Qualifies whether existing cabling can support voice, VoIP, 10/100/Gigabit Ethernet
- Troubleshoots existing cabling plant which can't support the desired network bandwidth
- Discovers what's at the end of any cable and configuration (speed/duplex/pairing)
- Frees-up switch ports and identifies unused links
- Graphically maps wiring configuration and shows distance to faults with Intelligent Wiremap
- Tests all copper cabling media: twisted-pair, coax, and audio cabling
- Locates and traces cable with IntelliTone™ digital signaling technology

Description	Part Number
CableIQ Qualification Tester	CIQ-100

CableIQ Kit

NEW

The CableIQ Kit enjoys all the capability of the CableIQ base unit, but includes all the available accessories, extending the standard units' test utility. Included in CableIQ Kit is: IntelliTone 200 Digital Probe, Remote IDs #2-7, (2) RJ45-RJ45 patch cord, USB cable, coax "F" push-on adapter, 75-ohm BNC-BNC coax patch cord, RJ45/11 universal coupler, RJ11-RJ11 patch cord, owners CD and quick start guide, (4) AA batteries, test accessory soft pouch, hard carry case.

Description	Part Number
CableIQ Kit	CIQ-KIT

CableIQ Residential Qualifier Kit

CableIQ is the first qualification tester designed for residential installers who need to document that cabling systems are installed properly and will perform reliably. It quickly qualifies residential cabling systems to support voice, VoIP, 10/100/1000 Ethernet, and CATV, and presents results in the form of professional test reports. Designed especially with the residential installer in mind, CableIQ is versatile and intuitive enough to replace multiple tools for testing, ID-tagging, and troubleshooting all voice, data, video, audio, and security cabling.

NEW

Features

- Documents that residential cabling systems are defect-free and TIA-570B compliant
- Qualifies residential cabling systems to support voice, VoIP, 10/100/1000 Ethernet, and CATV
- Graphically Maps wiring systems and shows distance to faults with built-in TDR
- Tests and Troubleshoots all low-voltage residential wiring:
  - Coax Cables
  - Telephone Wire
  - Security Wire
  - Speaker Wire
- Locates and traces cables with IntelliTone™ digital signaling technology (Intellitone probe available separately)

CableIQ Residential Qualifier Kit comprises: CableIQ main unit (CIQ-100), RJ45 patch cord (2), RJ11 patch cord (2), USB cable, bare wire adapter, speaker wire adapter, coax cable, coax BNC adapter, coax RCA adapter, "Qualified" labels (50), CD ROM user manual, getting started guide, AA batteries (4), soft carrying case

Description	Part Number
CableIQ Kit Residential Qualifier	CIQ-KRQ

MicroScanner2 Copper Verification Tester

The MicroScanner2 Cable Verifier presents a revolutionary change in voice, data, and video cable testing. It starts by taking results from what was four different test modes and displaying them all at once – graphical wiremap, pair lengths, distance to fault, cable ID, and far end device. What's more, its integrated RJ11, RJ45, and coax test ports support virtually any type of low-voltage cable testing with no need for awkward adapters. The end result is reduced test time and technician error. That makes high-quality installations more efficient than ever.

Features

- Revolutionary Interface – Graphical wiremap, length, cable ID, and distance to fault displayed on one screen
- Multimedia Support – Tests all common media types including RJ11, RJ45, Coax, with no need for adapters
- IntelliTone Toning – Locates virtually any cable or wire pair with IntelliTone digital and analog toning
- VDV Service Detection – Verifies today's media services, including 10/100/1000 Ethernet, POTS, and PoE
- Rugged Housing – Integrated rubber holster enhances grip and makes it durable enough for the toughest jobs
- Oversized Display – Large, backlit LCD makes results crystal clear whether in bright sunshine or in a dark closet

NEW

Description	Part Number
MicroScanner2 Cable Verifier	MS2-100
MicroScanner2 Professional Kit	MS2-KIT

Tooling and Testing from Mayflex

NetTool Series II

Troubleshooting network connectivity problems can be a daunting and time-consuming task. Without the right tool, network techs can spend hours of unnecessary time trying to isolate the problem.

Fluke Networks has put an end to the guessing game with the NetTool Series II Inline Network Tester, combining powerful NetProve diagnostics, inline Gigabit vision, digital IntelliTone technology and network, IP Phone and PC configuration testing in one palm-sized tool, so you'll have everything you need to quickly resolve even the toughest connectivity problem.

The right tool for the job

Since no two networks are identical, Fluke Networks offers several NetTool models to match individual requirements and to maximize the value of a NetTool investment. From our top-of-the-line NetTool Series II Pro VoIP to the entry-level NetTool 10/100, you will find a NetTool that fits your network troubleshooting needs.

Features

- NetProve™ diagnostics - isolate device and application connectivity issues in seconds
- Inline Gigabit vision - quickly troubleshoot network problems with powerful inline vision into 10/100/Gig traffic between switches, PCs, IP phones and other devices
- VoIP troubleshooting - connect inline for visibility into VoIP calls to quickly diagnose IP phone boot-up and call control problems and to measure key call quality metrics
- PoE Measurements - verify readiness of PoE systems and troubleshoot PoE device problems
- Spot available network resources - See MAC and IP addresses, subnet and services offered by active servers, routers and printers
- IntelliTone digital signaling - quickly and safely locate cables on active network
- Helps frontline network technicians quickly verify and troubleshoot desktop-to-network connectivity
- Resolves complex PC network configuration issues such as IP address, default gateway, and email and web servers. Also shows key network resources used by that PC such as servers, routers and printers
- Includes a Problem Log that concisely lists problems detected on the PC and network such as addressing issues, email and web problems
- Simultaneously monitors network health (frames sent, utilisation, broadcasts, errors, collisions) for full-duplex connections, with individual counts for both the desktop and the network conversations
- Shows protocol mismatches between the PC and the network, and identifies unwanted protocols that waste valuable bandwidth
- Includes cable-testing capability, eliminating the need for a separate cable tester

NEW

NetTool Series II *continued*

Description	Part Number
NetTool Series II PRO	NTS2-PRO
NetTool Series II VOIP	NTS2-VOIP
AC universal adapter for NT Series II	DTX-ACUN
WireView WireMapper #1 for NT Series II	WIREVIEW-1
WireView WireMappers #2-6	WIREVIEW 2-6
AC adapter and NiMH battery set for NT Series	NTS2-POWERPAK

LinkRunner Pro Network Multimeter

LinkRunner Pro enables technicians to resolve a broader range of today's connectivity problems. Unlike traditional 10/100 link testers, LinkRunner Pro verifies Gigabit link – increasingly important for today's high-performance networks. It also pings up to 10 key devices, detects Power over Ethernet (PoE), resolves 802.1X security conflicts, verifies cable wiremap, and identifies the nearest switch port with Cisco, Extreme and IEEE Link Layer Discovery Protocols (CDP/EDP/LLDP). Built-in IntelliTone digital toning precisely locates cables at patch panels and switches. Link status reports can be uploaded from USB port and routed with trouble tickets to expedite problem resolution.

Features

- Link at 10/100/Gig – identify device capabilities and confirm actual speed/duplex status
- Ping key devices – measure response of DHCP, router, DNS, and other devices or URLs
- Verify 802.1X settings – authenticate with EAP type, user name, certificates, and password
- Detect PoE service – verify voltage level, and pairs to IEEE 802.3af specifications
- Identify switch port – supports Cisco, Extreme, and IEEE Link Layer Discovery Protocols
- Test cable wiremap – measure length; detect miswires, shorts, split pairs or opens
- Locate and ID cable – use IntelliTone or optional IDs to locate cables at patch panels
- Document results – upload link status reports with USB port for faster problem resolution
- LRPRO-KIT- includes Wireview2-6 wiremap adapters, Intellitone probe, carry case, CLIP-SET, and adapters to standard LRPRO-1000

Description	Part Number
LinkRunner Pro Network Multimeter	LRPRO-1000
LinkRunner Pro Extended Test Kit	LRPRO-KIT
Wireview Cable ID Set # 2-6	WIREVIEW 2-6
RJ-45 to Eight Alligator Clip Adapter	CLIP-SET

IntelliTone™ Pro Testers and Probe

The IntelliTone™ Pro Toner and Probe Series from Fluke Networks give you digital signal locating technology that's as advanced as the systems you work with. IntelliTone™ is a breakthrough solution – and the only solution – that locates and isolates the most elusive, hidden or bundled voice, data and video cables quickly and reliably – even on active networks. It succeeds where analogue technology fails – such as locating cable in a bundle due to signal bleed, finding a cable even when plugged into active network equipment and differentiating the tone from noise or a false signal. With gains in speed, precision and productivity that make analogue tools obsolete.

Features

- Validates twisted-pair installation with visual end-to-end cablemap (opens, shorts and reversed pairs)
- Identifies, diagnoses and troubleshoots telecom/datacom services

Description	Part Number
Intellitone 100 Toner and Probe Kit	MT-8200-50A
Intellitone 200 Toner and Probe Kit	MT-8200-60A
Intellitone 100 Probe only	MT-8200-53A
Intellitone 200 Probe only	MT-8200-63A

FiberInspector™ Mini

Use FiberInspector™ Mini to examine installed fiber terminations or ensure terminations are smooth and clean. Avoid the number 1 cause of fiber link failure: dirty end-faces. The Fluke Networks FiberInspector works ten times faster than traditional scopes. Simply insert the probe and inspect installed fiber connectors through the bulkhead adapters without accessing the backside of the patch panels. Using a video microscope also completely ensures that no harmful laser light ever reaches your eyes.

Features

- 200x magnification probe enables inspection of both multimode and singlemode end-faces inside ports and on patch cords
- Miniature display boasts an exceptionally sharp 1.8" screen
- Troubleshooting is 10 times faster than with traditional scopes
- Grip trigger activation extends battery life
- Various probe adapter tips allow for inspection through many different connector port types

NEW

Description	Part Number
FiberInspector Mini	FT500
Optional Probe Tip Adaptors - LC, FC and 1.25mm universal	NFM110

FTK400 Complete Fiber Verification Kit

NEW

The FTK400 Kit is for contractors and network technicians who install and maintain premises networks with both multimode and singlemode optical fiber. Verify optical loss and power levels at 850nm, 1300nm, 1310nm and 1550nm with SimpliFiber Optical Loss Test Set. Inspect fiber endfaces at 200X power with Fluke Networks' hand held Fiber Viewer optical microscope, and visually locate cable faults, connector problems and polarity issues with VisiFault Visual Fault Locator.

Features

- Everything required to test power loss in both single and multimode fibre installations, in one case
- SimpliFiber Power Meter
- 850/1300 (multimode) and 1310 and 1550nm (singlemode) SimpliFiber light Sources
- VisiFault Visual Fault Locator
- FT120 200x magnifying Fiber Viewer
- Carrying Case
- Linkware results download and management software, download cable, and user manuals

Description	Part Number
FTK400 Complete Fiber Verification Kit	FTK400

FTK300 Multimode Fiber Verification Kit

NEW

The FTK300 Kit is for installation and maintenance of multimode premise networks. Verify optical loss and power levels at 850nm amd 1300nm with SimpliFiber Optical Loss Test Set. Inspect fiber endfaces at 200X power with Fluke Networks' hand held Fiber Viewer optical microscope, and visually locate cable faults, connector problems and polarity issues with VisiFault Visual Fault Locator.

Features

- Everything required to test power loss in multimode fibre installations, in one case
- SimpliFiber Power Meter 850/1300 (multimode) SimpliFiber light Sources
- VisiFault Visual Fault Locator
- FT120 200x magnifying Fiber Viewer
- Carrying Case
- Linkware results download and management software, download cable, and user manuals

Description	Part Number
FTK300 Multimode Fiber Verification Kit	FTK300

FTK150 Basic Fiber Verification Kit

The FTK150 is a great starter kit for contractors and network technicians who install and maintain fiber links with multimode optical fiber. Verify optical loss and power levels at 850nm, 1300nm with SimpliFiber Optical Loss Test Set. Add singlemode sources, microscope, and VFL options as needed.

NEW

Kit contains

- SimpliFiber Power Meter
- 850/1300 (multimode) SimpliFiber light Sources
- Carrying Case
- Linkware results download and management software, download cable, and user manuals

Description	Part Number
FTK150 Basic Fiber Verification Kit	FTK150

CIQ-FTK Fiber & Copper Technician Kit

This option combines our popular CableIQ Advanced IT kit and FTK300 Multimode Fiber Verification Kit to provide you with all the tools you need to qualify copper cabling bandwidth, verify fiber topic loss and power levels and troubleshoot both copper and fiber links.

NEW

Kit contains

- Complete FTK-300 Kit and complete CIQ-KIT

Description	Part Number
CIQ-FTK Fiber & Copper Technician Kit	CIQ-FTK

Fluke SimpliFiber

Affordable and easy-to-use, Fluke Networks' SimpliFiber Solutions work together to test multimode and single-mode fiber loss. (Single-mode requires an additional laser source.)

The compact SimpliFiber sources and meter are durable and rugged, featuring textured, impact-resistant covers and an ergonomic shape for a comfortable and secure grip. An integrated cover protects the fiber ports. Long-battery life assures hours of trouble-free operation. The SimpliFiber sources and meter are engineered to work together. The automatic wavelength-sensing feature of the meter identifies the source wavelength and sets itself appropriately. The simplified multi-wavelength tests prevent costly measurement errors.

SimpliFiber connects easily to the network. The meter's interchangeable connector adapter (ICA) permits simple network connection and straightforward reference power measurement. Interchangeable connector adapters are available in the most popular connector styles including ST, SC, FC and 1.25 mm universal.

Features

- Verify multimode and singlemode fiber optic networks
- Measure optical power and loss to ensure optimal network performance
- Interchangeable Connector Adapter makes switching between fiber connector types quick and easy
- Automatic wavelength-sensor feature prevents costly measurement errors
- Saves 100 test results in memory
- Easily manage and document copper and fiber links with new LinkWare(tm) Software

Description	Part Number
SimpliFiber ST Kit with ICA	8250-02
SimpliFiber SC Kit with ICA	8250-04

FiberViewer Microscopes

Use FiberViewer microscopes to ensure fibre terminations are smooth and clean and avoid having dirty end-faces. It is critical that all optical connections are clean and free of contaminants to ensure application success. With universal adapters, end-faces can be inspected when using many different connector types, including LC connectors.

Features

- Rugged, portable, ergonomic tool
- Easy, manual focus of precision optics
- Factory-tested filters to protect eyes from harmful light exposure
- Universal adapters allow for inspection of end-faces on many different connector types
- Available in 200x or 400x magnification

Description	Part Number
Fiber Viewer 200 x magnification	FT120
Fiber Viewer 400 x magnification	FT140

Fiber Optic Cleaning Kits

Fluke Networks' Fiber Optic Cleaning Kits have the best tools to effectively remove the toughest contaminants with ease. Fiber Optic Cleaning Kit includes cleaning cube with wipes, ten cards with sealed cleaning zones, solvent pen, 2.5mm port cleaning swabs and 1.25mm port cleaning swabs in a rugged carrying case. The rugged carrying case is ideal for carrying and storing the cleaning components. Each kit contains detailed cleaning instructions as well as permanently affixed reordering details. An elasticized pouch permits storage of additional items such as patch cords, adapter, etc.

NEW

Features

- Contains everything needed to eliminate the number 1 cause of fiber link failure: contamination
- All components enable optimal wet and dry cleaning sequence
- Specially-designed fiber solvent is precisely dispensed from pen
- Cleaning cards are perfectly convenient for troubleshooting
- Various swabs are designed to fit many styles of connector ports
- Rugged carrying case stores and transports all cleaning tools

Description	Part Number
Fiber Optic Cleaning Kit	NFC-Kit-Case

Visible Light Sources

NEW

Features

- Pen style visible red laser source for locating breaks, discontinuities or tight bends in singlemode or multimode optical fibres
- Can also be used for the identification of fibres in a patch panel and or multi-channel cable assembly. Light beam can be modulated at 2Hz to aid identification
- The laser light scatters at breaks or tight bends in fibres and can be seen as a red glow through 250µm or 900µm fibre buffers and most tight jacketed cables up to 3.2mm
- Universal connector adaptor suitable for any fibre terminated with a 2.5mm ferrule connector (e.g. ST, SC, FC)
- A plug-in 1.25mm ferrule connector adaptor is also available allowing systems terminated with connectors such as LC to be tested
- 635nm class II laser visible up to 5km using singlemode fibre
- Powered by 2 AAA alkaline batteries (included)
- Includes small plastic case

Description	Part Number
Pen style laser source with 2.5mm ferrule interface	Visifault

OMNIScanner 2

Omniscanner 2 is no longer in production. However, accessories and consumables are still available. Please call with your requirements.

Description	Part Number
OMNIfibre MultiMode Kit ST 62.5/125	8223-07
OMNIfibre SingleMode Kit, ST	8223-11

Quintest Structured Cabling Tester

A compact and simple to use structured cabling tester featuring continuously sequencing LED displays that indicate wiring faults on both main and remote units. Identifies opens, shorts, split pairs, cross pairs and pair reversals on UTP and STP structured cabling. The two halves "snap" together with unique magnetic action providing protection against damage.

Features

- Low cost Structured Cabling “wire-map” tester
- Tests and verifies 2, 3 & 4 pair data and voice wiring
- Sequencing LED display indicates faults at both ends
- Identifies common wiring faults on UTP and STP schemes
- Units “snap” together with magnetic clasp for protection
- Auto power-off and low battery indication

Description	Part Number
Tester Unit C/W 1 Cable Identifier	CT8
Cable Identifier	CT45
Carry Case	600-291

Training Courses

As Europe's largest and leading independent training provider in the communications sector, CNet's core function is designing and delivering training programmes, across the entire spectrum of communication networks. Mayflex offer a whole host of these training courses which fall under the following headings:

- *Data & LAN Technologies*
- *Fibre Technologies*
- *IP & Convergence Technologies*
- *Security Technologies*
- *Project Management Technologies*

CNet Training

For more information, or to book a course, visit **www.mayflex.com/training.htm** or call the Mayflex Sales Team.

KD Optics Talk Sets

NEW

Features - Multimode

- Handheld talk set allows voice communication between engineers over multimode optical fibres during installation and testing
- Fibre optic talk sets offer increased range and reliability over walkie talkie radios and do not have the call charges of mobile phones
- Walkie talkie style press to talk, release to listen operation
- Requires only one optical fibre for two way half duplex communication
- Dynamic range >25dB or up to 8km
- ST connector interface
- Includes volume control and power on/battery low indicators
- One PP3 alkaline battery gives 20 hours use
- Supplied as a pair of handheld sets in a soft carry pouch

Description	Part Number
Multimode talk set	TS-M85-30

Features - Singlemode

- Handheld talk set allows voice communication between engineers over singlemode optical fibres during installation and testing
- Fibre optic talk sets offer increased range and reliability over walkie talkie radios and do not have the call charges of mobile phones
- Full duplex operation over one fibre (both parties can speak at the same time)
- Includes headsets for handsfree operation
- Call button alerts the other user that you wish to speak using a buzzer and LED
- VOX (voice operated) mode can be used in lossy or high reflectance links (reception is blocked when the user speaks)
- Dynamic range 30dB or up to 100km
- FC connector interface
- Includes volume control and power on/battery low indicators
- Two AA rechargeable batteries give 40 hours use
- Supplied as a pair of handheld sets with a charger in a soft carry pouch

Description	Part Number
Singlemode talk set	TS30

Optical Fyberscope

The Optical Fyberscope offers precision magnification to easily inspect both multimode and singlemode fibre optic connectors for scratches, dirt and other problems associated with poor transmission performance.

Features

- 200 or 400 x Magnification
- Backlight facility
- Rugged, hand held case for site use
- Battery operated
- Supplied with universal adaptor

Description	Part Number
Fyberscope x 200 Magnification	200-435
Fyberscope x 400 Magnification	200-437

OVF-1 – 'Pen-size' Visual Fault Locator

The OVF-1 is specially designed for field personnel who need an efficient and economical tool for fiber tracing, fiber routing and continuity checking in an optical network during and after installation.

Fiber breaks, microbends, and poor optical splices are clearly visible as light glows through the fiber buffer or outer jacket.

Fault location behind optical connectors where the use of OTDRs is limited due to dead zones is now possible with the OVF-1.

Features

- Rugged metal housing, pen-size format
- Lightweight
- Universal push-pull interfaces (UPP) for 2.5 mm and 1.25 mm
- Visible laser light at 635 nm
- Usable with single-mode and multimode fibers
- Range >5 km
- CW and blink modes
- Long battery life (>40 hours)

Description	Part Number
'Pen-size' - Visual Fault Locator	E-V-OVF-1

NEW

MTS-6000 – Compact Optical Test Platform

NEW

The MTS-6000 is a compact and lightweight test platform designed for the installation and maintenance of fiber networks. It provides field service technicians with the highest levels of performance and upgradeability on the market today.

Modular in design, the MTS-6000 offers an extensive portfolio of test functionality with over forty different fiber modules supporting a wide range of applications. The versatility of the MTS-6000 allows technicians to standardize using one type of test equipment and then introduce new testing capabilities in the field without incurring additional costs.

Features

- Compact, lightweight and highly integrated
- Over 40 application modules already supported
- Choose from IL/ORL, OTDR, PMD, CD or WDM plug-in modules
- Compatible with plug-in modules from the MTS-51001 and MTS-8000
- Comprehensive connection checker functionality with built-in VFL, power meter, LTS and video inspection scope options
- Built-in optical talkset option for communicating along the fiber
- Data mode on the talkset allows for the configuration, testing and results collecting of two remote units
- Exceeds Telcordia specifications for ruggedness, drop testing and extended battery life

Description	Part Number
Compact Optical Test Platform	E-O-MTS-6000

Module upgrade available on the 5100 series.
Contact Sales for further details.